

## Author Index to Volume 195

Aizawa, T., T. Sakata, S. Itoh, K. Maeda and T. Azumi, The effect of the Coulomb force on the diffusional motion of radicals as studied by the solvent permittivity dependence of the CIDNP intensity 195 (1992) 16

Akulin, V.M., G. Reiser and E.W. Schlag, An orbital hopping model for the calculation of intensity distributions of ionization spectra. The rotational linestrength distribution of NO ZEKE spectra 195 (1992) 383

Alfimov, M.V., V.F. Kamalov, I.A. Struganova and K. Yoshihara, Excited state relaxation of crown ether styryl dyes: photoisomerization 195 (1992) 262

Allan, M., see O. Schafer 195 (1992) 293

Asai, Y., Adiabatic-antiadiabatic crossover of vibronic couplings in a two-level system as a model of  $C_{60}^{n-}$  195 (1992) 551

Awaga, K., T. Inabe, Y. Maruyama, T. Nakamura and M. Matsumoto, Ferromagnetic and antiferromagnetic intermolecular interactions in the two-dimensional triangular lattice of the *m*-N-methylpyridinium nitronyl nitroxide cation radical 195 (1992) 21

Azumi, T., see T. Aizawa 195 (1992) 16

Bae, Y.K., see C.W. Walter 195 (1992) 543

Baer, M., see I. Last 195 (1992) 435

Bahnmaier, A.H., R.-D. Urban and H. Jones, The ground-state infrared spectra of ytterbium monohydride 195 (1992) 609

Bai, C., see J. Guo 195 (1992) 625

Balasubramanian, K., see D. Dai 195 (1992) 207

Balasubramanian, K., K.K. Das and D.W. Liao, Spectroscopic constants and potential energy curves for  $Hg_2$  195 (1992) 487

Bally, T., see P. Jungwirth 195 (1992) 371

Banichevich, A., S.D. Peyerimhoff and F. Grein, Quintet electronic states in the spectroscopy of ozone 195 (1992) 459

Bansal, M., S. Srivastava, Mamta and Vishwamittar, Energy eigenvalues for double-well oscillators with mixed cubic-quartic anharmonicities 195 (1992) 505

Baram, A., see I. Last 195 (1992) 435

Barnett, R.N., see Z. Sun 195 (1992) 365

Bart, E. and D. Huppert, Dynamic salt effect on excited large dipole solvation 195 (1992) 37

Bartlett, R.J., see J.F. Stanton 195 (1992) 194

Bauder, A., see Th. Brupbacher 195 (1992) 482

Baumgärtel, H., see G. Hagenow 195 (1992) 267

Bauschlicher Jr., C.W., see H. Partridge 195 (1992) 200

Bauschlicher Jr., C.W., H. Partridge and S.R. Langhoff, Comparative study of the dissociation energies of  $Ni_2$  and  $Ni_2^+$  195 (1992) 360

Bauschlicher Jr., C.W., see M. Sodupe 195 (1992) 494

Becker, K.H., B. Engelhardt, H. Geiger, R. Kurtenbach, G. Schrey and P. Wiesen, Temperature dependence of the  $CH + N_2$  reaction at low total pressure 195 (1992) 322

Bernshtain, V. and I. Oref, Anharmonicity effects in cluster isomerization	195 (1992) 417
Biczok, L., H. Linschitz and R.I. Walter, Extinction coefficients of $C_{60}$ triplet and anion radical, and one-electron reduction of the triplet by aromatic donors	195 (1992) 339
Billing, G.D., see N. Marković	195 (1992) 53
Bohme, D.K., see G. Javahery	195 (1992) 7
Boothroyd, A.I., see W.J. Keogh	195 (1992) 144
Botschwina, P., M. Horn, S. Seeger and J. Flügge, A theoretical investigation of $HC_2NC$ and $HNC_3$	195 (1992) 427
Brown, C.A., see A.J. Schell-Sorokin	195 (1992) 225
Bruppacher, Th., H.P. Lüthi and A. Bauder, An ab initio investigation of the potential energy surface of the benzene-neon van der Waals complex	195 (1992) 482
Burland, D.M., see C.A. Walsh	195 (1992) 309
Buttet, J., see W. Harbich	195 (1992) 613
Cardini, G., see P. Procacci	195 (1992) 347
Čársky, P., see P. Jungwirth	195 (1992) 371
Carter, J.G., see P.G. Datskos	195 (1992) 329
Cartwright, E., see C.L. Morter	195 (1992) 316
Chibotaru, L.F., One-centre-coordinate approach to the investigation of the Jahn-Teller effect in two-centre vibronic systems with common atoms	195 (1992) 109
Chikahiro, Y., see M. Ukai	195 (1992) 298
Chou, P.-T., M.L. Martinez and S.L. Studer, The role of the cis-keto triplet state in the proton transfer cycle of 2-(2'-hydroxyphenyl)benzothiazole	195 (1992) 586
Christophorou, L.G., see P.G. Datskos	195 (1992) 329
Chronister, E.L., see R.A. Crowell	195 (1992) 602
Clayton, A.H.A., K.P. Ghiggino, G.J. Wilson, P.J. Keyte and M.N. Paddon-Row, Photoinduced electron transfer in rigidly linked dimethoxynaphthalene-N-methylpyridinium donor-acceptor molecules	195 (1992) 249
Cobb, C.L., see G.W. Tyndall	195 (1992) 279
Combariza, J.E., S. Görtler, B. Just and J. Manz, Control of isomerizations by series of ultrafast infrared laser pulses. Model simulations for semibullvalenes	195 (1992) 393
Crowell, R.A. and E.L. Chronister, A time-resolved Raman study of inhomogeneous dephasing in high-pressure molecular crystals	195 (1992) 602
Culot, P., see G. Dive	195 (1992) 189
Curl, R.F., see C.L. Morter	195 (1992) 316
Ćwiołk, T., B. Jeziorski, W. Kołos, R. Moszynski, J. Rychlewski and K. Szalewicz, Convergence properties and large-order behavior of the polarization expansion for the interaction energy of hydrogen atoms	195 (1992) 67
Dai, D. and K. Balasubramanian, High-spin electronic states of the rhodium trimer ( $Rh_3$ )	195 (1992) 207
Das, K.K., see K. Balasubramanian	195 (1992) 487
Datskos, P.G., L.G. Christophorou and J.G. Carter, Temperature-enhanced autodetachment from $c-C_4F_6$	195 (1992) 329
Dehareng, D., see G. Dive	195 (1992) 189
Denzer, W., see G. Hagenow	195 (1992) 267
De Vries, M.S., see G.W. Tyndall	195 (1992) 279
Dive, G., D. Dehareng, P. Culot and J.M. Ghuysen, Energy hypersurface local properties of the $O_2HF^-$ rearrangement	195 (1992) 189

Domingo, C., see C.L. Morter	195 (1992) 316
Donley, E.A., see D.P. Shelton	195 (1992) 591
Dresselhaus, G., see R. Saito	195 (1992) 537
Dresselhaus, M.S., see R. Saito	195 (1992) 537
Duh, Y.-S., K.-C. Lin and W.-T. Luh, Orbital alignment effect in a supersonic jet: spin-changing collisions in the $\text{Ca}(4s5p^1\text{P}_1) + \text{Ar}$ system	195 (1992) 579
Durocher, G., see T. Ganguly	195 (1992) 574
Eaton, G.R., see A.J. Schell-Sorokin	195 (1992) 225
Eaton, S.S., see A.J. Schell-Sorokin	195 (1992) 225
Engelhardt, B., see K.H. Becker	195 (1992) 322
Eviatar, H., E. van Faassen and Y.K. Levine, A new approach for the simulation of ESR lineshapes over a large range of correlation times	195 (1992) 233
Fan, K. and S. Iwata, Theoretical studies of the new radicals $\text{SiNNH}$ and $\text{SiCOH}$	195 (1992) 475
Farhat, S.K., see C.L. Morter	195 (1992) 316
Farmer, L., see T. Ganguly	195 (1992) 574
Fedrigo, S., see W. Harbich	195 (1992) 613
Field, M.J., A molecular dynamics simulation of photo-induced electron transfer in an organic donor-acceptor compound	195 (1992) 388
Flores, J.R., Hierarchic computation of atomic correlation energies using a p-version finite element method	195 (1992) 377
Flügge, J., see P. Botschwina	195 (1992) 427
Friedrich, K.A., see E.K.L. Wong	195 (1992) 628
Fu, R., see J. Hu	195 (1992) 159
Furuki, M., see M. Iwamoto	195 (1992) 45
Ganguly, T., L. Farmer, D. Gravel and G. Durocher, Dimeric states of 2,7-dimethoxy-N-methylcarbazole in tetrahydrofuran at room temperature	195 (1992) 574
Gauss, J., see J.F. Stanton	195 (1992) 194
Geiger, H., see K.H. Becker	195 (1992) 322
Ghiggino, K.P., see A.H.A. Clayton	195 (1992) 249
Ghysen, J.M., see G. Dive	195 (1992) 189
Glass, G.P., see C.L. Morter	195 (1992) 316
Görtler, S., see J.E. Combariza	195 (1992) 393
Granfeldt, M.K. and B. Jönsson, The interaction of dipolar layers. Hydration forces and image charges	195 (1992) 174
Gravel, D., see T. Ganguly	195 (1992) 574
Grein, F., see A. Banichevich	195 (1992) 459
Grimbert, D., see M. Sizun	195 (1992) 412
Grimson, M.J., Microcanonical Monte Carlo simulation of the melting behaviour of small clusters	195 (1992) 92
Guha, S. and D. Mukherjee, A multireference coupled-cluster approach to quantum dynamics, <i>Chem. Phys. Letters</i> 186 (1991) 84. Erratum	195 (1992) 640
Guo, J., Y. Xu, Y. Li, C. Yang, Y. Yao, D. Zhu and C. Bai, Direct observation of $\text{C}_{60}$ LB film with scanning tunneling microscopy	195 (1992) 625
Gutman, I. and D. Todorović, The critical time in Frank's chiral amplification model	195 (1992) 62

Ha, T.-K. and M.T. Nguyen, The identity of the six nitrogen atoms ( $N_6$ ) species	195 (1992) 179
Hagenow, G., W. Denzer, H.-W. Jochims and H. Baumgärtel, Core excited states in $BF_2Cl$ and $BFCl_2$	195 (1992) 267
Hamaguchi, H., see T.I. Urano	195 (1992) 287
Hamrick, Y.M., see R.J. van Zee	195 (1992) 214
Harbich, W., S. Fedrigo and J. Buttet, The optical absorption spectra of small silver clusters ( $n=5-11$ ) embedded in argon matrices	195 (1992) 613
Harris, R.A. and Wm.M. McClain, Concerning "A new form of optical activity"	195 (1992) 633
Haselmeier, R., see H. Weingärtner	195 (1992) 596
Hatano, Y., see M. Ukai	195 (1992) 298
Heaton, N., D. Reimer and G. Kothe, Transverse deuteron spin relaxation in thermotropic liquid crystal polymers: determination of viscoelastic properties	195 (1992) 448
Heaven, M.C., see X. Zheng	195 (1992) 273
Hecht, L., The isolation of Raman optical activity invariants	195 (1992) 518
Hecht, L. and L.A. Nafie, Reply to a Comment concerning "Linear polarization raman optical activity as a new form of natural optical activity"	195 (1992) 637
Herbich, J., W. Rettig, R.P. Thummel and J. Waluk, Quenching of fluorescence of 2-(2'-pyridyl)indoles upon complexation with alcohols	195 (1992) 556
Hermansson, K., see L. Ojamäe	195 (1992) 97
Hirayama, F., see M. Iwamoto	195 (1992) 45
Hirayama, S., see F. Tanaka	195 (1992) 243
Hirota, N., see M. Terazima	195 (1992) 333
Hoffmann, M.R., A state-selective quasidegenerate perturbation theory for the electronic structure of molecules	195 (1992) 127
Holz, M., see H. Weingärtner	195 (1992) 596
Hönig, D. and D. Möbius, Brewster angle microscopy of LB films on solid substrates	195 (1992) 50
Honma, H., H. Murai and K. Kuwata, CIDEP study on photooxidation of $N,N,N',N'$ -tetramethyl- <i>p</i> -phenylenediamine by maleic anhydride. Enhanced S-T <sub>-1</sub> mixing by radical-ion pair system	195 (1992) 239
Horie, K., M. Ikemoto, T. Suzuki, S. Machida, T. Yamashita and N. Murase, Frequency dependence of quantum efficiency for hole formation in photochemical hole-burning for dye-doped polymer systems	195 (1992) 563
Horn, M., see P. Botschwina	195 (1992) 427
Hossenlopp, J.M., see T.R. Viegut	195 (1992) 568
Hu, J., R. Fu and C. Ye, Sideband separation of protonated and non-protonated carbons in MAS NMR	195 (1992) 159
Huppert, D., see E. Bart	195 (1992) 37
Ikemoto, M., see K. Horie	195 (1992) 563
Inabe, T., see K. Awaga	195 (1992) 21
Itoh, S., see T. Aizawa	195 (1992) 16
Iu, K.-K., see X. Liu	195 (1992) 163
Iwamoto, M., Y. Majima, F. Hirayama, M. Furuki and L.S. Pu, Generation of the displacement current by the transformation of J-aggregates in spreading monolayers of squarylium dye	195 (1992) 45
Iwata, S., see K. Fan	195 (1992) 475

Jawahery, G., S. Petrie, J. Wang and D.K. Bohme, Fullerene cation and dication production by novel thermal energy reactions of $\text{He}^+$ , $\text{Ne}^+$ , and $\text{Ar}^+$ with $\text{C}_{60}$	195 (1992) 7
Jemi-Alade, A.A., P.D. Lightfoot and R. Lesclaux, A flash photolysis study of the $\text{HO}_2 + \text{HCHO} \rightarrow \text{H}_2\text{O}_2 + \text{HCO}$ reaction between 541 and 656 K	195 (1992) 25
Jeziorski, B., see T. Ćwiok	195 (1992) 67
Jochims, H.-W., see G. Hagenow	195 (1992) 267
Jones, H., see A.H. Bahnmaier	195 (1992) 609
Jönsson, B., see M.K. Granfeldt	195 (1992) 174
Jungwirth, P., P. Čársky and T. Bally, The Jahn-Teller potential energy surface of $\text{H}_4^+$	195 (1992) 371
Just, B., see J.E. Combariza	195 (1992) 393
Kamalov, V.F., see M.V. Alfimov	195 (1992) 262
Kameta, K., see M. Ukai	195 (1992) 298
Kenney, M.J., see T.R. Viegut	195 (1992) 568
Keogh, W.J., A.I. Boothroyd, P.G. Martin, S.L. Mielke, D.G. Truhlar and D.W. Schwenke, Trajectory calculations and converged quantum cross sections for $\text{D} + \text{H}_2 (v=1, j=1, E_{\text{rel}} = 1.02 \text{ eV}) \rightarrow \text{HD} (v'=1, j') + \text{H}$ on a new potential energy surface	195 (1992) 144
Keyte, P.J., see A.H.A. Clayton	195 (1992) 249
Kim, M.S., see Y.L. Lee	195 (1992) 286
Klippenstein, S.J., see J.D. Kress	195 (1992) 513
Koch, A. and S.D. Peyerimhoff, Assignment of some prominent features in the experimental K-shell excitation spectrum of methane by means of CI calculations	195 (1992) 104
Kołos, W., see T. Ćwiok	195 (1992) 67
Kompa, K.L., see H. Reiner	195 (1992) 169
Kothe, G., see N. Heaton	195 (1992) 448
Kouchi, N., see M. Ukai	195 (1992) 298
Kress, J.D. and S.J. Klippenstein, Comparison of variational RRKM theory with quantum scattering theory for the $\text{Ne} + \text{H}_2^+ \rightarrow \text{NeH}^+ + \text{H}$ reaction	195 (1992) 513
Kurtenbach, R., see K.H. Becker	195 (1992) 322
Kutzelnigg, W., Does the polarization approximation converge for large $R$ to a primitive or a symmetry-adapted wavefunction?	195 (1992) 77
Kuwata, K., see H. Honma	195 (1992) 239
Kuze, H., Y. Oshima and Y. Tanaka, Boltzmann equation analysis of a pulsed molecular beam under non-equilibrium conditions	195 (1992) 400
Langhoff, S.R., see H. Partridge	195 (1992) 200
Langhoff, S.R., see C.W. Bauschlicher Jr.	195 (1992) 360
Last, I., A. Baram and M. Baer, Exact quantum mechanical three dimensional reactive probabilities for the $\text{D} + \text{H}_2$ system: variational calculations based on negative imaginary absorbing potentials	195 (1992) 435
Lee, S.-L. and Y.-L. Luo, Simulation of diffusion-limited aggregation: effects of launching boundary shape and non-fixed centre	195 (1992) 405
Lee, Y.L. and M.S. Kim, Anomalous translational energy upshift in collisionally activated dissociation of hexafluorobenzene molecular ion, Chem. Phys. Letters 192 (1992) 89. Erratum	195 (1992) 286
Lesclaux, R., see A.A. Jemi-Alade	195 (1992) 25
Lester Jr., W.A., see Z. Sun	195 (1992) 365
Levine, R.D., see D.E. Weeks	195 (1992) 441

Levine, Y.K., see H. Eviatar	195 (1992) 233
Li, S., see R.J. van Zee	195 (1992) 214
Li, Y., see J. Guo	195 (1992) 625
Liao, D.W., see K. Balasubramanian	195 (1992) 487
Lightfoot, P.D., see A.A. Jemi-Alade	195 (1992) 25
Lin, K.-C., see Y.-S. Duh	195 (1992) 579
Linder, F., see M. Zimmer	195 (1992) 153
Lindgren, J., see L. Ojamäe	195 (1992) 97
Linschitz, H., see L. Biczok	195 (1992) 339
Liu, X., K.-K. Iu and J.K. Thomas, Encapsulation of $TiO_2$ in zeolite Y	195 (1992) 163
Liu, Z.-M., see X.-L. Zhou	195 (1992) 618
Lorentz, D.C., see C.W. Walter	195 (1992) 543
Luh, W.-T., see Y.-S. Duh	195 (1992) 579
Luo, Y.-L., see S.-L. Lee	195 (1992) 405
Lüthi, H.P., see Th. Brupbacher	195 (1992) 482
 Machida, S., see K. Horie	195 (1992) 563
Maeda, K., see T. Aizawa	195 (1992) 16
Majima, Y., see M. Iwamoto	195 (1992) 45
Mamta, see M. Bansal	195 (1992) 505
Mandal, S.H., see G. Sanyal	195 (1992) 640
Manz, J., see J.E. Combariza	195 (1992) 393
Marković, N. and G.D. Billing, On the semiclassical solution of reactive scattering problems by wave packet propagation in hyperspherical coordinates	195 (1992) 53
Maroulis, G., A fourth-order many-body perturbation theory calculation of the first and second electric dipole hyperpolarizability of ammonia	195 (1992) 85
Marsh, A.J., G. Rumbles, I. Soutar and L. Swanson, Auto-reconvolution: a new method of data retrieval from time-resolved emission anisotropy measurements	195 (1992) 31
Martin, P.G., see W.J. Keogh	195 (1992) 144
Martin, R.M., see G.W. Tyndall	195 (1992) 279
Martinez, M.L., see P.-T. Chou	195 (1992) 586
Maruyama, Y., see K. Awaga	195 (1992) 21
Maseras, F. and K. Morokuma, Application of the natural population analysis to transition-metal complexes. Should the empty metal p orbitals be included in the valence space?	195 (1992) 500
Masuda, T., see T. Takigawa	195 (1992) 509
Matsumoto, M., see K. Awaga	195 (1992) 21
Matsuoka, O., Segmented contractions of relativistic Gaussian basis sets	195 (1992) 184
McClain, Wm.M., see R.A. Harris	195 (1992) 633
Mehran, F., see A.J. Schell-Sorokin	195 (1992) 225
Mielke, S.L., see W.J. Keogh	195 (1992) 144
Mittal, J.P., see D.K. Palit	195 (1992) 1
Möbius, D., see D. Höning	195 (1992) 50
Mohallem, J.R., Comment on "On the helium ground-state Hartree-Fock energy"	195 (1992) 457
Morokuma, K., see F. Maseras	195 (1992) 500
Morter, C.L., C. Domingo, S.K. Farhat, E. Cartwright, G.P. Glass and R.F. Curl, Rotationally resolved spectrum of the $\nu_1$ CH stretch of the propargyl radical ( $H_2CCCH$ )	195 (1992) 316
Moszynski, R., see T. Ćwiok	195 (1992) 67

Mueller, J.A., see T.R. Viegut	195 (1992) 568
Mukherjee, D., see S. Guha	195 (1992) 640
Murai, H., see H. Honma	195 (1992) 239
Murase, N., see K. Horie	195 (1992) 563
Nafie, L.A., see L. Hecht	195 (1992) 637
Nakamura, T., see K. Awaga	195 (1992) 21
Negri, F. and G. Orlandi, Theoretical analysis of the force field and resonance Raman spectrum of 4a,4b-dihydrophenanthrene	195 (1992) 523
Nguyen, M.T., see T.-K. Ha	195 (1992) 179
Odom, G.K., see G.E. Scuseria	195 (1992) 531
Ojamäe, L., J. Tegenfeldt, J. Lindgren and K. Hermansson, Simulation of band widths in liquid water spectra. The breakdown of the frozen-field approximation	195 (1992) 97
Oref, I., see V. Bernshtain	195 (1992) 417
Orlandi, G., see F. Negri	195 (1992) 523
Oshima, Y., see H. Kuze	195 (1992) 400
O'Toole, T.R., see A.J. Schell-Sorokin	195 (1992) 225
Ovshinsky, S.R., The origin of pairing in high- $T_c$ superconductors	195 (1992) 455
Paddon-Row, M.N., see A.H.A. Clayton	195 (1992) 249
Palit, D.K., A.V. Sapre, J.P. Mittal and C.N.R. Rao, Photophysical properties of the fullerenes, $C_{60}$ and $C_{70}$	195 (1992) 1
Park, J.K. and H. Sun, Dipole and transition moments of SiH, PH and SH by ab initio effective valence shell Hamiltonian method	195 (1992) 469
Partridge, H., C.W. Bauschlicher Jr., M. Sodupe and S.R. Langhoff, Theoretical determination of the alkali-metal superoxide bond energies	195 (1992) 200
Partridge, H., see C.W. Bauschlicher Jr.	195 (1992) 360
Peterson, J.R., see C.W. Walter	195 (1992) 543
Petrie, S., see G. Javahery	195 (1992) 7
Peyerimhoff, S.D., see A. Koch	195 (1992) 104
Peyerimhoff, S.D., see A. Banichevich	195 (1992) 459
Pisano, P.J., see T.R. Viegut	195 (1992) 568
Procacci, P., G. Cardini, P.R. Salvi and V. Schettino, Vibrational frequencies of $C_{70}$	195 (1992) 347
Pu, L.S., see M. Iwamoto	195 (1992) 45
Raghavachari, K., Structure of $C_{60}O$ : unexpected ground state geometry	195 (1992) 221
Raghunathan, P., see S.S. Ray	195 (1992) 303
Rao, C.N.R., see D.K. Palit	195 (1992) 1
Ray, S.S. and P. Raghunathan, $^1H$ NMR in $K_2HgCl_4 \cdot H_2O$ : proton dynamics and evidence for dipole-pair interaction in "strong" and "weak" coupling limits	195 (1992) 303
Reimer, D., see N. Heaton	195 (1992) 448
Reiner, H., Ch. Wittenzellner, H. Schröder and K.L. Kompa, Luminescence spectra after excimer laser photolysis of $Ni(CO)_4$	195 (1992) 169
Reiser, G., see V.M. Akulin	195 (1992) 383
Rettig, W., see J. Herbich	195 (1992) 556
Richmond, G.L., see E.K.L. Wong	195 (1992) 628

Rumbles, G., see A.J. Marsh	195 (1992) 31
Rychlewski, J., see T. Ćwiok	195 (1992) 67
Saito, R., G. Dresselhaus and M.S. Dresselhaus, Topological defects in large fullerenes	195 (1992) 537
Saito, Y., see M. Terazima	195 (1992) 333
Sakata, T., see T. Aizawa	195 (1992) 16
Salvi, P.R., see P. Procacci	195 (1992) 347
Sanktjohanser, M., see O. Schafer	195 (1992) 293
Sanyal, G., S.H. Mandal and D. Mukherjee, Thermal averaging in quantum many-body systems: a non-perturbative thermal cluster cumulant approach, <i>Chem. Phys. Letters</i> 192 (1992) 55. Erratum	195 (1992) 640
Sapre, A.V., see D.K. Palit	195 (1992) 1
Schafer, O., M. Allan, G. Szeimies and M. Sanktjohanser, ETS study of the negative ion states of bicyclo[1.1.1]pentane, and its mono- and di-ethyl vinyl derivatives: through-bond coupling of $\pi^*$ orbitals mediated by the staffane bridge	195 (1992) 293
Schell-Sorokin, A.J., F. Mehran, G.R. Eaton, S.S. Eaton, A. Viehbeck, T.R. O'Toole and C.A. Brown, Electron spin relaxation times of $C_{60}^-$ in solution	195 (1992) 225
Scherzer, W., H.L. Selzle and E.W. Schlag, Identification of spectra of mixed structural isomers via mass selective hole-burning in the gas phase	195 (1992) 11
Schettino, V., see P. Procacci	195 (1992) 347
Schlag, E.W., see W. Scherzer	195 (1992) 11
Schlag, E.W., see V.M. Akulin	195 (1992) 383
Schrey, G., see K.H. Becker	195 (1992) 322
Schröder, H., see H. Reiner	195 (1992) 169
Schwenke, D.W., see W.J. Keogh	195 (1992) 144
Scuseria, G.E. and G.K. Odom, Exo-fluorinated $C_{60}F_{60}$ has $I_h$ symmetry	195 (1992) 531
Scuseria, G.E., Negative curvature and hyperfullerenes	195 (1992) 534
Seeger, S., see P. Botschwina	195 (1992) 427
Selzle, H.L., see W. Scherzer	195 (1992) 11
Shamovsky, I.L., see V.E. Zubkus	195 (1992) 135
Shelton, D.P. and E.A. Donley, The hyperpolarizability dispersion of neon is not anomalous	195 (1992) 591
Shinohara, H., see M. Terazima	195 (1992) 333
Shiraishi, K., see K. Takeda	195 (1992) 121
Shobatake, K., see F. Tanaka	195 (1992) 243
Shoute, L.C.T., Dual fluorescence of 4,4'-bis(dimethylamino)benzophenone. Effects of specific and nonspecific interaction on the formation of twisted intramolecular charge transfer	195 (1992) 255
Sidis, V., see M. Sizun	195 (1992) 412
Sizun, M., D. Grimbart and V. Sidis, The fixed rotor approximation in the vibronic semi-classical treatment of atom-molecule collisions	195 (1992) 412
Sodupe, M., see H. Partridge	195 (1992) 200
Sodupe, M. and C.W. Bauschlicher Jr., A theoretical study of the spectroscopy of $MgH_2O^+$ and $MgCH_3OH^+$	195 (1992) 494
Soutar, I., see A.J. Marsh	195 (1992) 31
Srivastava, S., see M. Bansal	195 (1992) 505
Stanton, J.F., J. Gauss and R.J. Bartlett, Analytic evaluation of second derivatives using second-order many-body perturbation theory and unrestricted Hartree-Fock reference functions	195 (1992) 194

Struganova, I.A., see M.V. Alfimov	195 (1992) 262
Studer, S.L., see P.-T. Chou	195 (1992) 586
Sun, H., see J.K. Park	195 (1992) 469
Sun, Z., R.N. Barnett and W.A. Lester Jr., Quantum and variational Monte Carlo interaction potentials for $\text{Li}_2$ ( $\text{X}^1\Sigma_g^+$ )	195 (1992) 365
Sunil, K.K., The binding of ethylene and carbon monoxide to beryllium atom: the role of cooperative effects in ligand binding	195 (1992) 355
Suzuki, T., see K. Horie	195 (1992) 563
Swanson, L., see A.J. Marsh	195 (1992) 31
Szalewicz, K., see T. Ćwiok	195 (1992) 67
Szeimies, G., see O. Schafer	195 (1992) 293
Takahashi, M., see T. Takigawa	195 (1992) 509
Takeda, K. and K. Shiraishi, Electronic structure of chain-like polystannane	195 (1992) 121
Takigawa, T., M. Takahashi, K. Urayama and T. Masuda, Comparison of model prediction with experiment for concentration-dependent modulus of poly(vinyl alcohol) (PVA) gels near the gelation point	195 (1992) 509
Tanabe, K., see S. Tsuzuki	195 (1992) 352
Tanaka, F., S. Hirayama and K. Shobatake, $S_1$ - $T_2$ level inversion of 9,10-dimethylnaphthalene caused by the coordination of one rare-gas atom	195 (1992) 243
Tanaka, K., see M. Ukai	195 (1992) 298
Tanaka, Y., see H. Kuze	195 (1992) 400
Tegenfeldt, J., see L. Ojamäe	195 (1992) 97
Tellinghuisen, J., see X. Zheng	195 (1992) 273
Terazawa, N., see M. Ukai	195 (1992) 298
Terazima, M., N. Hirota, H. Shinohara and Y. Saito, Time-resolved EPR investigation of the triplet states of $\text{C}_{60}$ and $\text{C}_{70}$	195 (1992) 333
Thomas, J.K., see X. Liu	195 (1992) 163
Thummel, R.P., see J. Herbich	195 (1992) 556
Todorović, D., see I. Gutman	195 (1992) 62
Truhlar, D.G., see W.J. Keogh	195 (1992) 144
Tsekov, R. and G.N. Vayssilov, Quantum Brownian motion and classical diffusion	195 (1992) 423
Tsuzuki, S. and K. Tanabe, Relative stability of nine candidate structures of $\text{C}_{84}$ calculated with AM1 and MM3	195 (1992) 352
Tyndall, G.W., M.S. de Vries, C.L. Cobb and R.M. Martin, Velocity dependence of the excimer rotational alignment in the reactions of $\text{Xe}^*$ with halogenated methanes	195 (1992) 279
Ukai, M., N. Kouchi, K. Kameta, N. Terazawa, Y. Chikahiro, Y. Hatano and K. Tanaka, Extreme ultraviolet photodissociation of $\text{O}_2$ via the free ( $\text{c}^4\Sigma_u^-$ ) $3s\sigma_g$ state as probed by dispersed vacuum ultraviolet fluorescence	195 (1992) 298
Urano, T.I. and H. Hamaguchi, Microsecond time-resolved infrared study of the electric-field-induced reorientation of nematic liquid crystals	195 (1992) 287
Urayama, K., see T. Takigawa	195 (1992) 509
Urban, R.-D., see A.H. Bahnmaier	195 (1992) 609
Van Faassen, E., see H. Eviatar	195 (1992) 233
Van Zee, R.J., Y.M. Hamrick, S. Li and W. Weltner Jr., ESR of Co, Rh, Ir trimers and diatomic ions	195 (1992) 214

Vayssilov, G.N., see R. Tsekov	195 (1992) 423
Viegut, T.R., P.J. Pisano, J.A. Mueller, M.J. Kenney and J.M. Hossenlopp, Molecular structure effects on carbonyl photophysics: phosphorescence yields for <i>n</i> -alkyl benzoate esters	195 (1992) 568
Viehbeck, A., see A.J. Schell-Sorokin	195 (1992) 225
Vishwamittar, see M. Bansal	195 (1992) 505
Walsh, C.A. and D.M. Burland, Picosecond photoionization and geminate recombination in an organic donor-acceptor complex	195 (1992) 309
Walter, C.W., Y.K. Bae, D.C. Lorents and J.R. Peterson, Production and stability of multiply charged C <sub>60</sub> and C <sub>70</sub> fullerene ions	195 (1992) 543
Walter, R.I., see L. Biczok	195 (1992) 339
Waluk, J., see J. Herbich	195 (1992) 556
Wang, J., see G. Javahery	195 (1992) 7
Weeks, D.E. and R.D. Levine, Impulsive coupling between two anharmonic oscillators: a kicked rotor paradigm	195 (1992) 441
Weingärtner, H., R. Haselmeier and M. Holz, <sup>129</sup> Xe NMR as a new tool for studying gas diffusion in liquids: self-diffusion of xenon in water	195 (1992) 596
Weltner Jr., W., see R.J. van Zee	195 (1992) 214
White, J.M., see X.-L. Zhou	195 (1992) 618
Wiesen, P., see K.H. Becker	195 (1992) 322
Wilson, G.J., see A.H.A. Clayton	195 (1992) 249
Wittenzellner, Ch., see H. Reiner	195 (1992) 169
Wong, E.K.L., K.A. Friedrich and G.L. Richmond, Measurements of the SH response from Ag(111) at the long-wavelength limit	195 (1992) 628
Wu, G., The quasi-separable semiclassical dynamical subspace of strong Fermi resonance under SU(3) algebra	195 (1992) 115
Xu, Y., see J. Guo	195 (1992) 625
Yamashita, T., see K. Horie	195 (1992) 563
Yang, C., see J. Guo	195 (1992) 625
Yao, Y., see J. Guo	195 (1992) 625
Ye, C., see J. Hu	195 (1992) 159
Yoshihara, K., see M.V. Alfimov	195 (1992) 262
Zheng, X., M.C. Heaven and J. Tellinghuisen, Spectroscopy of charge-transfer transitions in jet-cooled IBr	195 (1992) 273
Zhou, X.-L., Z.-M. Liu and J.M. White, Conversion of vinyl to ethylidyne on Pt(111)	195 (1992) 618
Zhu, D., see J. Guo	195 (1992) 625
Zimmer, M. and F. Linder, State-resolved energy and angular differential measurements of the product distribution in the rearrangement reaction H <sup>-</sup> +D <sub>2</sub> →HD(v')+D <sup>-</sup>	195 (1992) 153
Zubkus, V.E. and I.L. Shamovsky, Molecular interactions, structure and stability of $\beta$ -quinol clathrate	195 (1992) 135